



सत्यमेव जयते

**भारत सरकार**  
**Government of India**  
**विद्युत मंत्रालय**  
**Ministry of Power**  
**केन्द्रीय विद्युत प्राधिकरण**  
**Central Electricity Authority**  
**विद्युत संचार विकास प्रभाग**  
**Power Communication Development Division**

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<b>CEA Case No. : GUJ-892</b>		
<b>Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C line on D/C tower from 220/33 kV PSS of M/S Avaada at Tavi to 400 kV Choraniya S/s of GETCO [Length-24.5 km]</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	ASEPL/280MW/S.N/02	11.07.2024
(ii)	ASEPL/280MW/S.N/03	12.12.2024
(iii)	BSNL: IC/MBI/PTCC/GUJ-2987	22.11.2024
(iv)	Western Railway: SG.158/28/12 (1405)	22.08.2024

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on communication circuits of Western Railway with respect to details furnished vide above reference (iii) has been computed. The voltage likely to be induced on paralleling communication cables of Western Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. DET (PTCC), WZ, BSNL vide above reference (iii) has issued their No Objection Certificate (NOC).

EPR Zones for proposed substation are mentioned below.

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	Resistance of earth mat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
220/33 kV PSS of M/S Avaada at Tavi	67.5	28	0.08	234	132	NA	NA

As per the details submitted by BSNL vide reference (iii) above, no telephone exchanges are falling in the EPR zone of the proposed substations.

Telecommunication details from DG Signals, MoD are awaited however, vide reference (ii) above, M/s ASEPL have informed that the line is awaiting charging due to want of PTCC approval. So as to charge the subject cited transmission line as per schedule, M/s ASEPL has requested for issuance of provisional PTCC clearance and has stated that they take *“full responsibility to implement any corrective or mitigation measures that may be required by concerned authorities, should the transmission line's operation impact any MoD S&T equipment or personnel.”*

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of Defense, will be communicated after the receipt of details from DG Signals, MoD.

Encl.: As above

**Chief Engineer**

**To,**

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 <sup>st</sup> floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054	
2	GM (S&T), Western Railway	S&T Department, 5 <sup>th</sup> Floor, Station Building, Church Gate, Mumbai – 400 020	
3.	Director General of Signals	General Staff Branch, Integrated HQ, MoD (army), Sena Bhawan, DHQ, PO, New Delhi- 110 105	With a request to provide details of Telecom assets/ NOC at the earliest for IV calculation and issuance of final RAC.
4.	M/s Avaada Sunrise Energy Private Limited	406, Hubtown Solaris, N. S. Phadke Marg, Andheri (E), Mumbai – 400 069	

**ANNEXURE-I**

<b>CEA Case No.: GUJ-892</b>  <b>Name of the Power line:</b> 220 kV S/C line on D/C tower from 220/33 kV PSS of M/S Avaada at Tavi to 400 kV Choraniya S/s of GETCO			<b>Map Scale</b> : 1 cm= 500 m  <b>Total Length</b> : 24.5 km  <b>S.R. Value</b> : 2000 Ohm-cm		
<b>S.No.</b>	<b>Telecom. Details</b>	<b>Length of Parallelism in Km.</b>	<b>Mutual Coupling in Ohms.</b>	<b>Effective Fault current in Amps.</b>	<b>I.V in Volts.</b>
<b>Western Railway: SG.158/28/12 (1405) Date: 22.08.2024</b>					
1	Wadhwan City to Limbdi	Out of parallelism			
2	Limbdi to Chuda	Out of parallelism			

**AVAADA SUNRISE ENERGY PRIVATE LIMITED**

CIN: U40100DL2018PTC335579

**Correspondence Office:**  
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New Delhi - 110 001  
T: +011-68172100  
E: [avaadasunrise@avaada.com](mailto:avaadasunrise@avaada.com);  
[www.avaadaenergy.com](http://www.avaadaenergy.com)

Ref. No. ASEPL/280MW/SN/03

Dated: 12.12.2024

To,  
Chief Engineer (PSCD),  
Central Electricity Authority,  
702 (N), Sewa Bhawan,  
R K Puram, New Delhi-110066  
Email: cepcd.cea@gov.in

[Kind Attn: Sh. Akshay Dubey]

**Subject: - Request for issuance of provisional PTCC approval for 220 kV S/C line on D/C towers from 220/33 kV generation pooling station of M/s Avaada Sunrise Energy Private Limited (ASEPL) at Tavi Village to 400/220 kV Choraniya S/S of GETCO - Reg.**

**Reference: -**

1. Avaada PTCC file No. ASEPL/280MW/SN/02 dated: 11.07.2024.
2. PTCC online file no. WGJ131120246309.

Sir,

I am writing on behalf of M/s Avaada Sunrise Energy Private Limited. We have submitted PTCC proposal for construction of "220 kV S/C line on D/C towers from 220/33 kV generation pooling station of M/s Avaada Sunrise Energy Private Limited (ASEPL) at Tavi Village to 400/220 kV Choraniya S/S of GETCO" with all requisite documents to CEA, DET (PTCC) Western Zone, GM (S&T) Western Railway, DG (Signals) Ministry of Defence.

Both BSNL and Railway authorities have provided their Telecom details to CEA for this PTCC proposal. While we await the NoC from DG (Signals) MoD, we are actively following up on this matter.

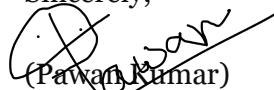
The generation pooling station of M/s Avaada Sunrise Energy Private Limited along with its 280 MW solar power project at Tavi Village and the associated 220 kV transmission line has been completed and is scheduled for commissioning by 20.12.2024.

While we commit to securing the pending NoC from DG (Signals) MoD at the earliest, given the urgent need for line energization, we earnestly request your office to recommend for issuance of provisional PTCC approval for the transmission line in the interim.

M/s Avaada Sunrise Energy Private Limited hereby undertakes full responsibility to implement any corrective or mitigation measures that may be required by concerned authorities, should the transmission line's operation impact any MoD S&T equipment or personnel.

Thanking You.

Sincerely,

  
(Pawan Kumar)  
General Manager  
Authorised Signatory for ASEPL

Copy to: - DET (PTCC), Western Zone, QA & Inspection Circle, 1<sup>st</sup> Floor, D-Wing, BSNL,  
Admin Building, Juhu Tara Road, Santacruz (West), Mumbai - 400 054.